Index of Claims

| Appli | cation | No. |
|-------|--------|-----|

10/657,395

Examiner

Uyen-Chau N. Le

Applicant(s)

YAMAGUCHI, KATSUMI

Art Unit

2876

✓ Rejected= Allowed

- (Through numeral) Cancelled

Restricted

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla         | ıim      | Date         |  |          |  |  |  |              |          | Cla      | im   | Date     |           |                 |           |                 |          |          | [        | Cla            | aim      | Date      |       |       |            |          |                 |          |              |          |          |          |          |          |
|-------------|----------|--------------|--|----------|--|--|--|--------------|----------|----------|------|----------|-----------|-----------------|-----------|-----------------|----------|----------|----------|----------------|----------|-----------|-------|-------|------------|----------|-----------------|----------|--------------|----------|----------|----------|----------|----------|
|             | 7        | 4            |  |          |  |  |  |              |          |          |      |          |           |                 |           |                 |          | П        | П        |                |          |           |       |       | =          |          |                 | T        |              |          |          |          | П        | $\neg$   |
| Final       | Original | 10/15/04     |  | l        |  |  | l  |              |          |          | ٠.   | Final    | Original  |                 |           |                 |          |          |          |                | -        | - 1       |       | Finat | Original   |          |                 | - }      |              |          |          |          |          | - 1      |
| iĒ          | ΞĚ       | 5            |  | l        |  |  |  |              |          |          |      | ᇤ        | Ę         |                 |           |                 |          |          | .        | -              |          |           |       | ιĒ    | ٦ri        |          |                 | - 1      |              |          | 1        |          |          |          |
|             |          | _            |  | _        |  | L  | _  | L            |          | _        |      |          |           |                 |           |                 |          |          | $\perp$  |                |          |           |       |       |            |          |                 |          |              |          |          |          |          |          |
| 1           | _1       | <u>  =</u>   |  |          | <u> </u>   | L  | 乚  | _            |          |          |      |          | 51        |                 |           |                 | _        | $\Box$   |          |                |          |           |       |       | 101        |          |                 |          |              |          |          |          | $\perp$  |          |
| 2           | _2       | =            |  | _        | <u> </u>   | <u>L</u>   | <u> </u>   | <u> </u>     | L.       |          |      |          | 52        |                 |           |                 |          |          |          | _              |          | ᆜ         |       |       | 102        |          |                 | $\perp$  | $\dashv$     | $\sqcup$ | _        | $\perp$  |          | _        |
| 3           | _3       | ᆖ            | _  |          | <u> </u>   |  | <u> </u>   | <u> </u>     | L        |          |      |          | 53        |                 |           |                 | _        |          |          | $\dashv$       | $\dashv$ | ᆜ         |       |       | 103        | $\Box$   | _               | 4        | $\dashv$     | $\dashv$ | _        | 4        | _        | ᆜ        |
| 4           | 4        | =            |  | <u> </u> | <u> </u>   | _  | <u> </u>   | _            | <u> </u> |          |      |          | 54        |                 |           |                 | _        | _        | _        | 4              | 4        | _         |       |       | 104        | _        | _               | _        | _            | _        | _        | _        | _        | _        |
| 5           | 5        | <u> =</u>    | <u> </u>   | <u> </u> | -  |  | _  | _            |          |          |      |          | 55        | Ш               |           | -               | _        | _        | $\dashv$ | $\dashv$       | -        | _         | - 1   |       | 105        |          | _               | _        | $\dashv$     | $\dashv$ | _        | $\dashv$ | _        | _        |
| 6           | 6        | =            | _  | <u> </u> | ┝  |  |  |              | _        |          |      |          | 56        | Ш               |           | $\vdash$        | $\dashv$ | -        | -        | $\dashv$       | -        | $\dashv$  |       |       | 106        | -        | +               | $\dashv$ | -            | $\dashv$ | _        | -        | $\dashv$ | _        |
| 7           | 7        | =            | ┢  | ⊢        | ⊢  |  | -  | ├            |          |          | ų.   |          | 57        |                 |           | $\vdash$        |          |          | -        | -              | -        |           | - 1   |       | 107        | $\dashv$ | _               | +        | $\dashv$     | $\dashv$ | -        | $\dashv$ |          |          |
| 8           | 8        | =            | -  | -        | ⊢  |  | ├  | $\vdash$     |          | _        |      |          | 58<br>59  | Н               | _         |                 | $\dashv$ | -        | $\dashv$ | $\dashv$       | $\dashv$ |           | 1     |       | 108        |          | -+              | +        | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$ |          |          |
| 10          | 10       | =            | ├-   | ├        | ╁  | -  | ⊢  | ╁            |          |          |      |          | 60        | Н               | $\dashv$  | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$  | - 1   |       | 109<br>110 | $\dashv$ | +               | +        | $\dashv$     | -        |          | $\dashv$ | $\dashv$ |          |
| 11          | 11       | =            | ⊢  | ┝        | ⊢  |  | ⊢  | ╁            |          |          | 1.   |          | 61        | Н               | $\dashv$  | $\vdash$        | $\dashv$ |          |          | -+             | $\dashv$ | $\dashv$  | ł     |       | 111        | $\dashv$ |                 | -        | -            | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\dashv$ |
| 12          | 12       | =            | _  | -        | $\vdash$   |  | ├  | ╁            | ⊢        | —        |      |          | 62        | Н               |           | $\dashv$        | $\dashv$ | ᅱ        | -        | -              | -+       | $\dashv$  |       |       | 112        | $\dashv$ |                 | +        | <del>-</del> | $\dashv$ |          | +        | $\dashv$ | $\dashv$ |
| 13          | 13       | =            | $\vdash$   | $\vdash$ | -  | -  | -  | $\vdash$     |          | -        |      |          | 63        | Н               | -         | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$       | $\dashv$ | -         |       |       | 113        |          | $\dashv$        | +        | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$ | -+       | $\dashv$ |
| 14          | 14       | =            | <del>                                     </del> | $\vdash$ | $\vdash$   |  | $\vdash$   | <del> </del> | Ι        | -        |      |          | 64        | Н               | $\dashv$  | $\dashv$        | -+       | $\dashv$ | -+       | $\dashv$       | $\dashv$ |           | 1.5   |       | 114        | $\dashv$ | $\dashv$        | +        | $\dashv$     | $\dashv$ | -        | $\dashv$ | -+       | ᅱ        |
| <del></del> | 15       | Ē            | <del>                                     </del> | -        | T  | H  | H  | $\vdash$     |          |          | . 1  |          | 65        | H               | $\dashv$  | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$  |       |       | 115        | $\dashv$ | +               | +        | +            | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash$    | 16       | <del> </del> | $\vdash$   |          |  |  | -  | $\vdash$     | _        |          | 1, 1 |          | 66        |                 |           |                 | ᅥ        | _        | _        | 十              | -+       | ᅱ         |       |       | 116        |          | $\dashv$        | $\dashv$ | -            | -+       | $\dashv$ | $\dashv$ | $\dashv$ | ㅓ        |
|             | 17       |              |  | Г        | t  | <del>                                     </del> | $\vdash$   | †            |          |          | 1.   |          | 67        | Н               | $\neg$    | $\dashv$        | _        | _        | $\dashv$ | +              | $\dashv$ | $\dashv$  |       |       | 117        | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|             | 18       | <del> </del> | _  | ┢        |  |  |  | $\vdash$     |          | _        | ľ    |          | 68        | Н               | $\exists$ |                 | 寸        | 寸        | $\neg$   | $\dashv$       | 十        | $\neg$    | . ,   |       | 118        |          | $\neg$          | +        | $\dashv$     | $\dashv$ | ┪        | $\dashv$ | -        | $\dashv$ |
|             | 19       |              | Ι  | $\vdash$ | T  |  | t  |              |          |          |      |          | 69        |                 |           | $\neg$          | 寸        | 寸        | _        | 寸              | _        | ┪         | l., . |       | 119        |          | $\neg$          | 寸        | $\dashv$     | $\neg$   | _        | $\dashv$ | ヿ        | ᅥ        |
|             | 20       |              |  |          |  |  | T  | T            | İ        |          |      |          | 70        | П               |           | ij              |          | T        |          |                | T        | $\neg$    |       |       | 120        |          | $\neg$          | 1        | $\dashv$     |          | ┪        | $\dashv$ | ヿ        | ヿ        |
|             | 21       |              |  |          |  |  |  |              |          |          |      |          | 71        |                 |           |                 |          |          |          |                |          |           | 4.4   |       | 121        |          |                 | ╗        | ヿ            | ヿ        | 一        | 1        | ヿ        | ヿ        |
|             | 22       |              |  |          |  |  |  |              |          |          |      |          | 72        |                 |           |                 | 一        | 一        |          | T              |          |           |       |       | 122        |          |                 | T        | $\neg$       |          |          | $\neg$   | $\neg$   |          |
|             | 23       |              |  |          |  |  |  |              |          |          |      |          | 73        |                 |           |                 |          |          |          | Ī              |          |           |       |       | 123        |          |                 |          | $\Box$       |          | $\neg$   | ヿ        | ヿ        |          |
|             | 24       |              |  |          |  |  |  |              |          |          |      |          | 74        |                 |           |                 |          |          |          |                |          |           |       |       | 124        |          |                 |          | $\neg$       |          |          | $\Box$   | $\Box$   |          |
|             | 25       |              |  |          |  |  |  |              | <u> </u> |          |      |          | 75        |                 |           |                 |          |          |          |                |          |           |       |       | 125        |          |                 |          |              |          |          |          | $\Box$   |          |
| <u></u>     | 26       | _            | _  |          |  | _  |  | <u> </u>     | <u> </u> |          |      |          | 76        | Ш               |           |                 |          | _        | _        | _              | _        |           |       |       | 126        |          |                 |          | _            |          | _        | $\dashv$ |          |          |
| L           | 27       | _            | _  | _        | <u> </u>   | _  | <u> </u>   | _            | <u> </u> |          | ŀ    |          | 77        | Ш               |           |                 |          | _        |          | _              | _        | _         |       |       | 127        |          |                 | _        | $\dashv$     | $\dashv$ | _        | _        | _        | _        |
| <u> </u>    | 28       | <u> </u>     | _  |          | <u> </u>   |  | ļ  | <u> </u>     | <u> </u> | _        |      |          | 78        | Ш               |           | _               | _        | _        | _        |                | _        |           |       |       | 128        |          |                 | 4        | _            | _        |          | $\dashv$ | $\dashv$ |          |
| <u> </u>    | 29       |              | _  | _        | <u> </u>   |  | ļ  | ├-           | <u> </u> |          |      |          | 79        | Ш               |           |                 | _        |          |          |                | 4        | _         | 1     |       | 129        |          |                 |          | $\dashv$     | _        |          | $\dashv$ | _        | 4        |
| <u> </u>    | 30<br>31 | <u> </u>     | ├  | <u> </u> | ⊢  | <u> </u>   | ├  | ├—           | ├        |          |      |          | 80        |                 |           |                 | $\dashv$ |          |          | $\dashv$       | $\dashv$ | $\dashv$  |       |       | 130        | _        |                 | _        | $\dashv$     | $\dashv$ | -        | $\dashv$ | -        | 4        |
| ├           | 32       | ┝            | $\vdash$   | ⊢        | -  | ⊢  | ╁  | ╁            | ┢        |          |      |          | 81<br>82  | Н               |           | -               | $\dashv$ |          | +        | $\dashv$       | +        | $\dashv$  |       |       | 131<br>132 | -        | $\dashv$        | $\dashv$ | -            | -        | ᅱ        | $\dashv$ | $\dashv$ | $\dashv$ |
| -           | 33       | ┢            |  | $\vdash$ | ├  | $\vdash$   | ┝  | ╁            | ⊢        | _        |      |          | 83        | -               |           | -               | $\dashv$ | -        | $\dashv$ | +              | -+       | -         |       | _     | 133        |          | -+              |          | $\dashv$     |          |          | $\dashv$ | $\dashv$ | ᅴ        |
|             | 34       | -            | ⊢  | ┢        | ╁  | -  | ┢  | <del> </del> | ┢        |          |      |          | 84        |                 | -         |                 | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$       | +        | ᅴ         | -     |       | 134        | -        | -               | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| -           | 35       |              | <del>                                     </del> | -        | <del>                                     </del> | $\vdash$   | t  | 1            | 1-       | $\vdash$ | 1    |          | 85        | Н               | $\vdash$  | -               |          | -        | -        | -              | $\dashv$ | $\dashv$  |       |       | 135        | $\dashv$ |                 | $\dashv$ | +            | $\dashv$ |          | $\dashv$ | $\dashv$ | ᅱ        |
| -           | 36       | _            | -  | $\vdash$ | _  |  | T  | t            | $\vdash$ | -        |      |          | 86        | $\vdash$        | H         | $\vdash \dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$       | $\dashv$ | ᅱ         |       |       | 136        | -        | $\dashv$        | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|             | 37       | ┢            | $\vdash$   | Т        | t  |  | <del>                                     </del> | T            | 一        |          |      |          | 87        | $\vdash$        |           | $\dashv$        | $\dashv$ | $\neg$   | $\dashv$ | -              | +        | $\exists$ |       | -     | 137        | -        | $\dashv$        | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | ㅓ        |
|             | 38       |              |  | Г        | <del>                                     </del> | T  | t  | T            | T        |          | 1    |          | 88        | $\Box$          |           | П               | $\dashv$ | -1       | 寸        | 十              | 十        | -         |       |       | 138        | $\vdash$ | _               | $\dashv$ | $\dashv$     | $\dashv$ |          | _        | $\dashv$ | $\dashv$ |
|             | 39       | Г            | Π  |          | T  |  | <u> </u>   | T            | T        |          | 1    |          | 89        | П               |           | $\Box$          | 一        | 一        | _        | $\neg \dagger$ | $\dashv$ | $\exists$ |       |       | 139        | $\Box$   | 7               | 7        | 十            | 一        | 一        | 十        | 十        | ᅥ        |
|             | 40       |              |  | П        | Г  |  |  |              | Γ        |          | 1    |          | 90        |                 |           |                 | $\neg$   | 一        | 一        | $\dashv$       | $\dashv$ | $\neg$    |       |       | 140        | $\neg$   |                 | T        | ヿ            | $\dashv$ | $\neg$   | $\neg$   | 7        | ᅥ        |
|             | 41       |              |  |          |  |  |  |              | П        |          |      |          | 91        | П               |           |                 |          | $\dashv$ | $\neg$   |                | T        |           |       |       | 141        |          | $\neg \uparrow$ | ┪        | 寸            | $\neg$   | $\neg$   | $\dashv$ | 一        | $\neg$   |
|             | 42       |              |  |          |  |  |  |              |          |          |      |          | 92        |                 |           |                 |          |          |          |                |          |           |       |       | 142        |          |                 | T        | $\dashv$     | 寸        | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        |
|             | 43       |              |  |          |  |  |  |              |          |          | ]    |          | 93        |                 |           |                 |          |          |          | 丁              |          |           |       |       | 143        |          |                 |          | J            | $\Box$   |          | $\Box$   | ╛        |          |
|             | 44       |              | _  |          | oxdot  | <u> </u>   | $\Box$   |              |          |          |      |          | 94        |                 |           |                 |          | $\Box$   | I        | J              |          |           |       |       | 144        |          | $\Box$          | I        | $\Box$       | $\Box$   | $\Box$   | $\Box$   | $\Box$   |          |
| <u> </u>    | 45       | <u> </u>     | <u> </u>   | _        | <u> </u>   | <u> </u>   | L  | ـــــ        | L        |          |      |          | 95        | Ш               |           | Ш               |          | _        | $\perp$  |                | _        |           |       |       | 145        | ]        |                 |          |              |          |          | $\Box$   | $\Box$   |          |
| <u> </u>    | 46       | <u> </u>     | <u> </u>   | <u> </u> | <u> </u>   | _  | <u> </u>   | _            | L.       |          |      |          | 96        |                 |           |                 | _        | _ļ       | _        |                | _        |           |       |       | 146        |          |                 | _        | _            |          |          |          |          |          |
| <u> </u>    | 47       | <u> </u>     | <u> </u>   | $\vdash$ | ├  | <u> </u>   |  | ₽            | <u> </u> | <u> </u> |      | ļ        | 97        | Щ               | Ш         | Ц               | _        | _        | _        | _              | _        | _         |       |       | 147        | Щ        | _               | _        | _            | _        |          | _        | _        | _        |
| <u> </u>    | 48       | <u> </u>     |  |          | <u> </u>   | ├—   | ⊢  |              | <u> </u> | _        |      | <u> </u> | 98        | $\vdash \vdash$ |           | $\sqcup$        | _        | _        |          |                | -        | 4         |       |       | 148        | Щ        | _               | _        | 4            |          | _        | _        | _        | _        |
| _           | 49<br>50 | $\vdash$     | $\vdash$   | -        | ├─   |  | ┼-   | ╁            | ┢        | -        |      |          | 99<br>100 | Н               | $\vdash$  | $\vdash$        | $\dashv$ |          |          | -+             | $\dashv$ | -         |       |       | 149<br>150 |          | -               | 4        |              | -        |          | $\dashv$ | -        |          |
| Ц           | JU       | Щ            |  | Ц_       |  | Ц.   | L  | 1            | Щ        |          | ı    | نـــا    | 100       | Ш               |           | Ш               |          | !        |          | _1             | _1       |           |       |       | 130        | لــــا   | L               | L        | 1            |          |          |          |          | $\Box$   |